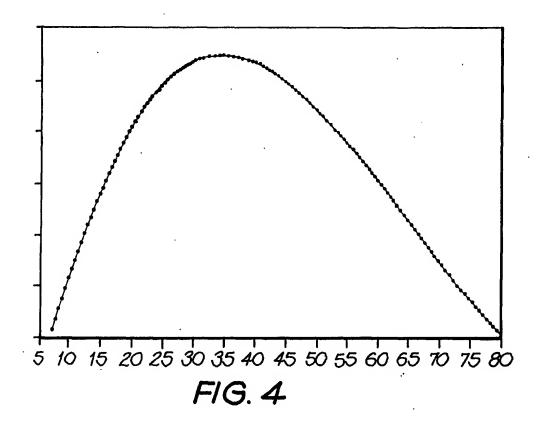


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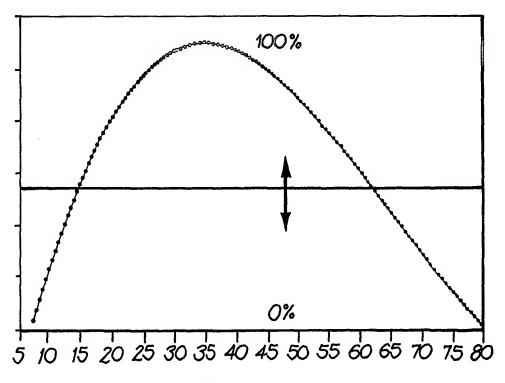
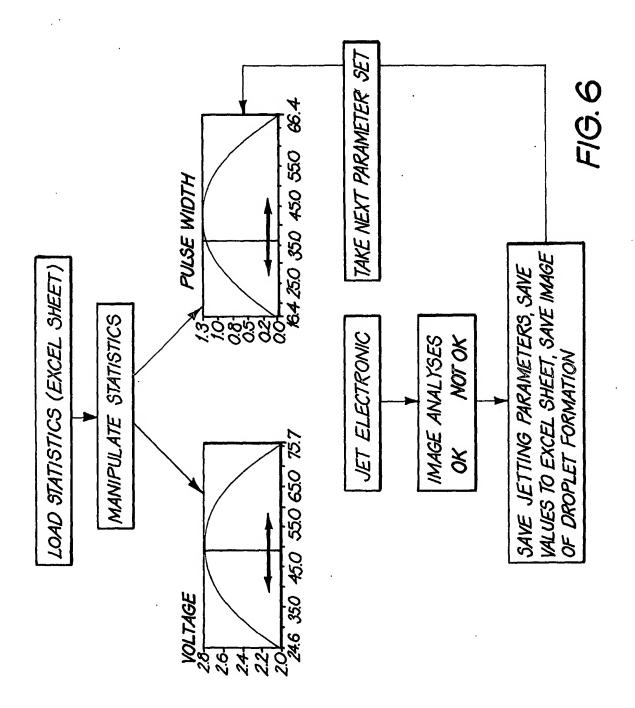


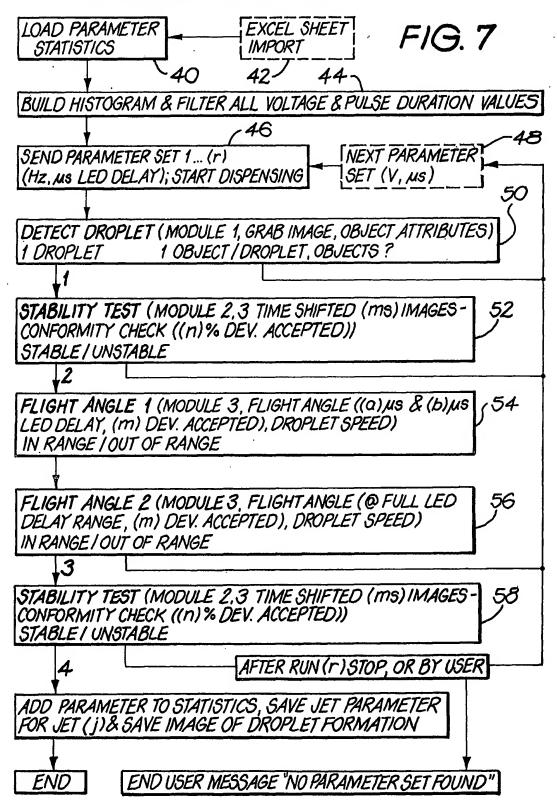
FIG. 5

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## JETTING AUTO TUNE FLOW CHART



## JETTING AUTO TUNE FLOW LOAD PARAMETERS EXCEL SHEET |STATISTICS IMPORT BUILD HISTOGRAM & FILTER ALL VOLTAGE & PULSE DURATION VALUES -46 NEXT PARAMETER SEND PARAMETER SET 1... (r) (Hz.,us LED DELAY); START DISPENSING SET (V, Jus) DETECT DROPLET (MODULE 1, GRAB IMAGE, OBJECT ATTRIBUTES) 1 OBJECT/DROPLET, OBJECTS? 1 DROPLET FLIGHT ANGLE (MODULE 2, FLIGHT ANGLE ((a) us & (b) us 60 LED DELAY, (m) DEV. ACCEPTED), DROPLET SPEED) IN RANGE | OUT OF RANGE STABILITY TEST (MODULE 3, 3 TIME SHIFTED (ms) IMAGES - CONFORMITY CHECK ((n)% DEV. ACCEPTED)) STABLE / UNSTABLE AFTER RUN (r) STOP, OR BY USER ADD PARAMETER TO STATISTICS, SAVE JET PARAMETER FOR JET (i) & SAVE IMAGE OF DROPLET FORMATION END, USER MESSAGE "NO PARAMETER SET FOUND END

FIG. 8